

Fig. 1

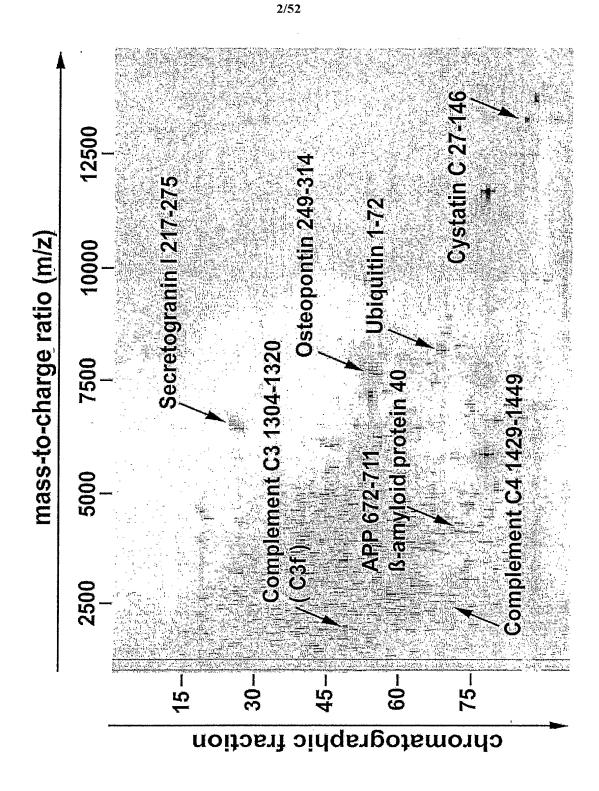


Fig. 2

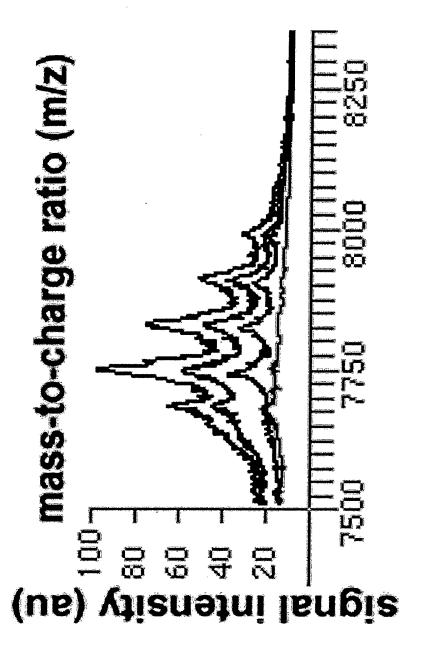
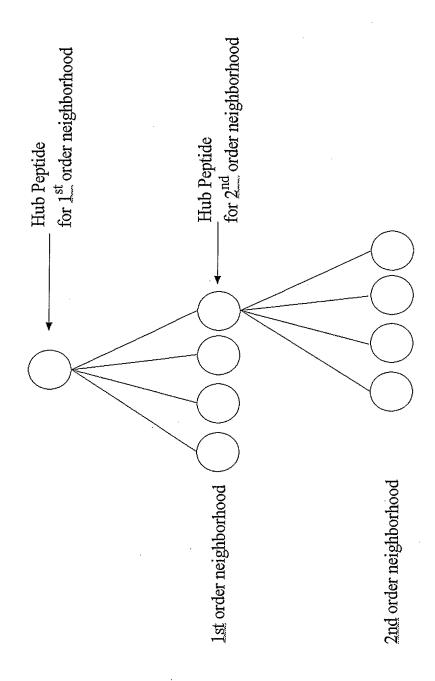


Fig. 3



<u>Fig. 4</u>



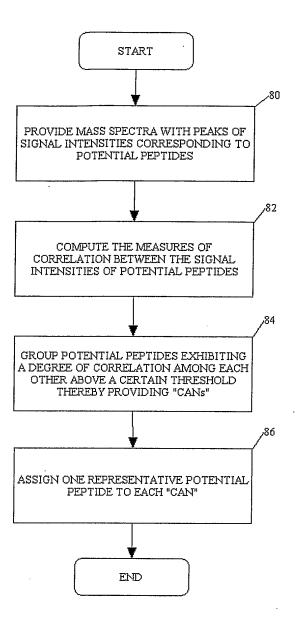
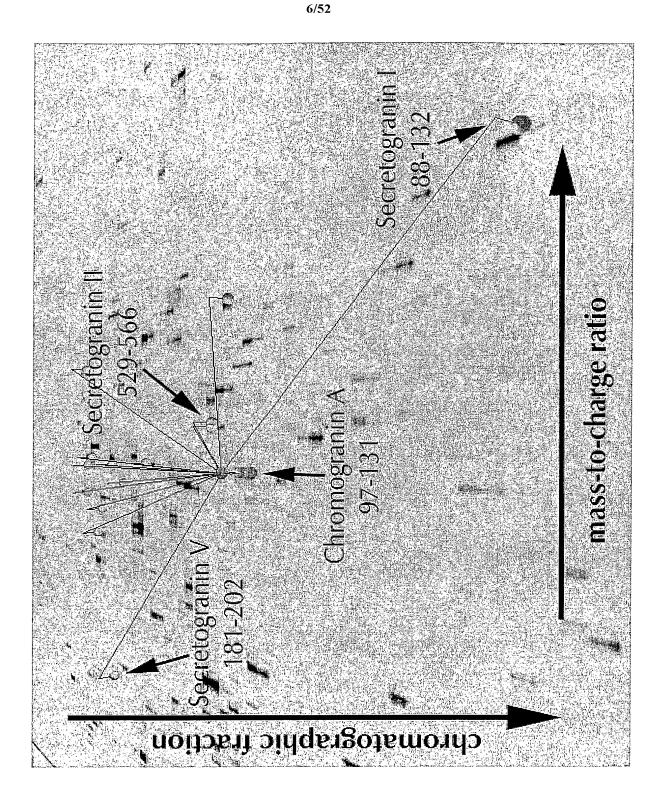


Fig. 5



<u>Fig. 6</u>

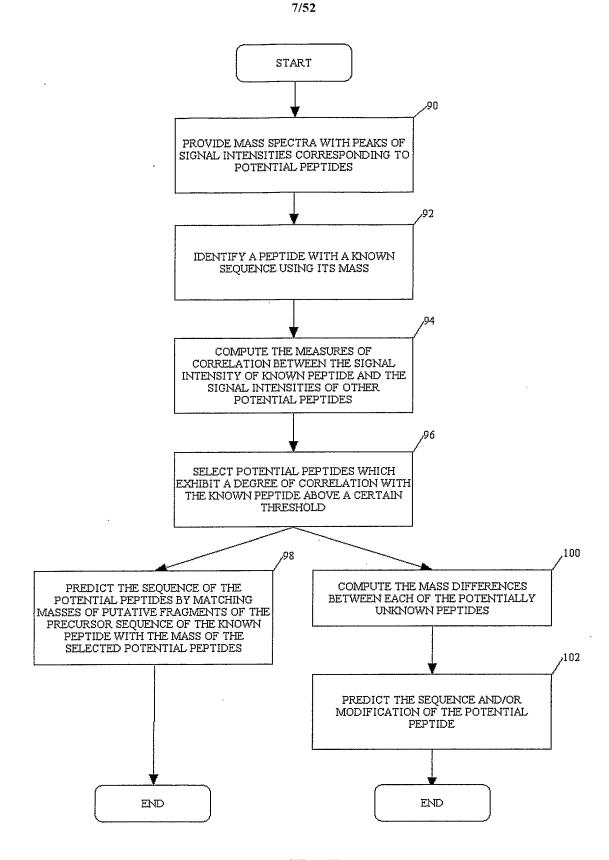
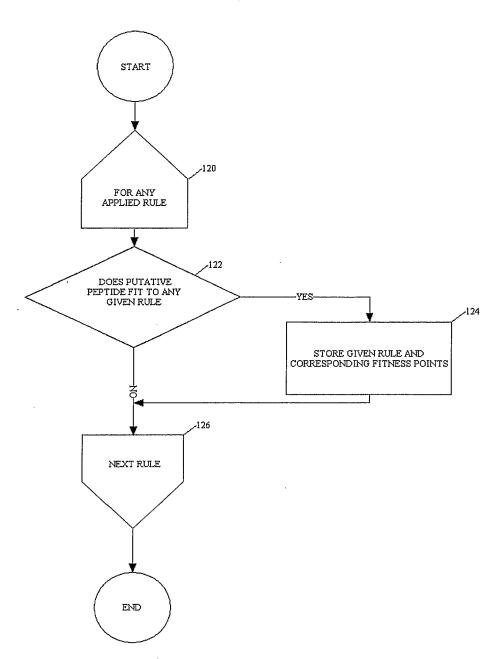


Fig. 7



<u>Fig. 8a</u>

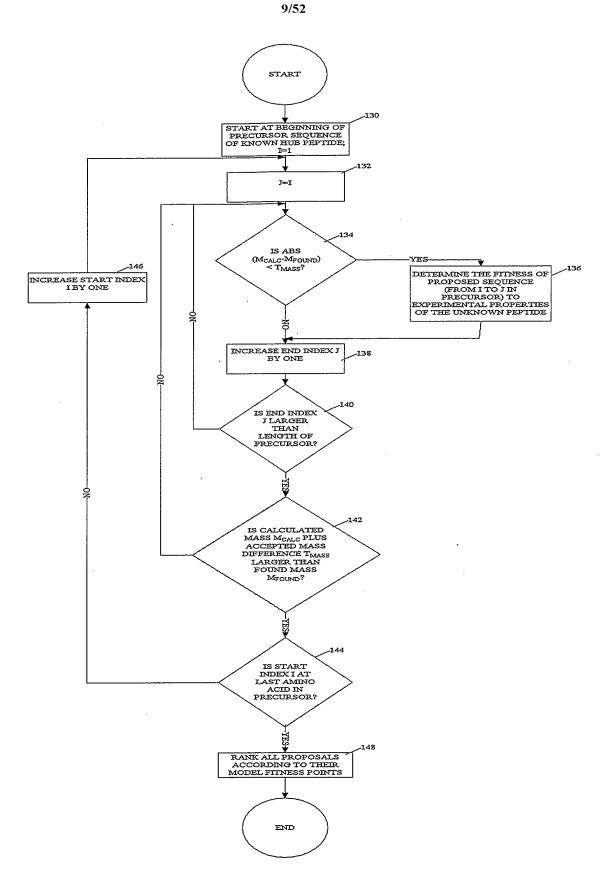


Fig. 8b

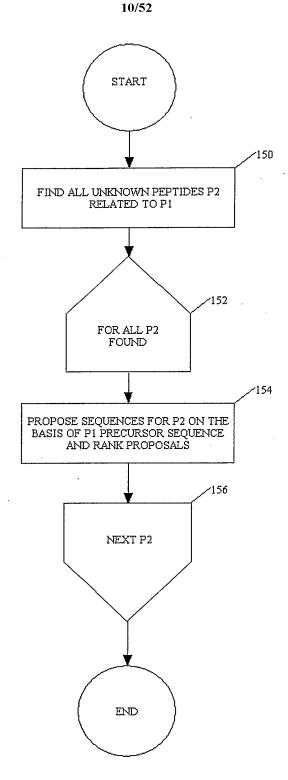


Fig. 8c

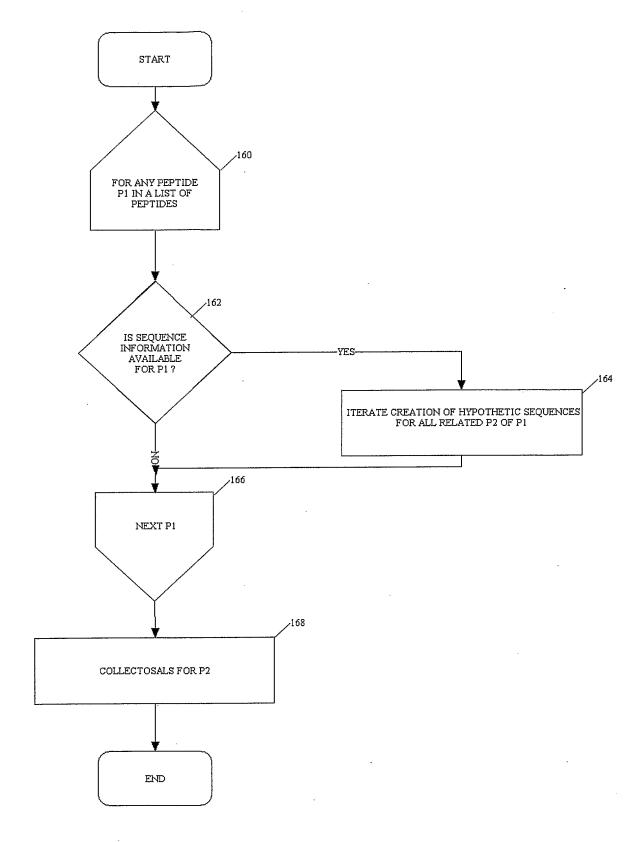


Fig. 8d

Modification	Monoisotopic Mass	Average Mass
4-Phosphopantetheine	339.0780	339.3294
5-A den csylation	329.0525	329.2091
Acetylation	42.0106	42.0373
ADP-ribosylation (from NAD)	541.0611	541.3052
Biotinylation (amide bond to lysine)	226.0776	226.2994
Carb cxylation of Asp and Clu	43,9898	44.0098
G terminal amide formed from Cly	-0.9840	-0.9847
Cysteinylation	119.0041	119.1442
Dearnidation of Asn and Cln	0.9840	0.9847
Deckyhexosss (Fug. Rhaj	146,0579	146,1430
Disulphide bond formation	-2.0157	2.0159
Farnesylation	204.1878	204,3556
Formylation	27.9949	28.0104
Ceranylation	272.2504	272.4741
Clutathicnylation .	305.0682	305.3117
Hexosamines (CalN, ClcN)	161.0688	161.1577
Hexoses (Fru, Gal, Glo, Man)	162.0528	162.1424
Homoserine formed from Met by CNBr treatment	-29.9928	30.0935
Hydroxylation	15.9949	15.9994
Lipoic soid (smide bond to lysine)	188.0330	188.3147
Methylation	14.0157	14.0269
lykvi spoklati ou	210.1984	210.2598
N-acetylhexosamines (CalNAq, GIdNAq)	203.0794	203.1950
N-acetylneuraminic acid (Sialic acid, NeuAc, NANA, SA)	291.0954	291.2579
N-Blycdylneuraminic acid (NeuCd)	307.0903	307.2573
Oxidation of Met	15.9949	15.9994
Palmitoylation	238.2297	238,4186
Pentoses (Ara, Rib, Xyl)	132.0423	132.1161
Phosphorylation	79.9663	79.9799
Prot⊵clysis of a single peptide bond	18.0106	18.0153
Pyridoxal phosphate (Schiff Base formed to lysine)	231,0297	231.14 <del>4</del> 9
Pyroglutamic acid formed from Gln	-17.0265	-17.0306
Stearoylation	266,2610	266,4674
Sulphation	79.9568	80.0642

Fig. 9

Motif	Enzyme/ Reaction	Mass difference( average mass)
W	photochemical	+16
W	photochemical	+32
W	photochemical	+4
[ST]-X-[RK]	Protein kinase C	+79.9799

Fig. 10

Sym	b ols	Monoisotopic Mass	Average Mass
Gly	G	57.02146	57.05
Ala	A	71.03711	71.08
Ser	S	87.03202	87.08
Pro	P	97.05276	97.12
Val	V	99.06841	99.07
Thr	T	101.0476	101.1
Суѕ	C	103.0091	103.1
Leu	L	113.0840	113.2
Πe	I	113.0840	113.2
Asn	N	114.0429	114.1
Asp	Þ	115.0269	115.1
Gln	Q	128.0585	128.1
Lys	ĸ	128.0949	128.2
Glu	E	129.0425	129.1
Met	М	131.0404	131.2
His	H	137.0589	137.1
Phe	F	147.0684	147.2
Arg	R	156.1011	156.2
Tyr	Y	163.0633	163.2
Trp	W	186.0793	186.2

Fig. 11

	Composition	Monoisotopic Mass	Average Mass
N-Terminal Groups			
Hydrogen	H	1.00782	1.0079
N-Formyl	HCO	29.00274	29.0183
N-Acetyl	CH₃CO	43.01839	43.0452
C-Terminal Groups			-
Free acid	OH	17.00274	17.0073

Fig. 12

Additional Amino acid	+/- Fraction numbers
E, Clutamic acid	+ 0.47
F, Phenylalanine	+ 5.54
H, Histidine	- 3.82
I, Isoleucine	+ 2.86
K, Lysine	-1.72
L, Leucine	+ 5.15
Q, Glutamine	- 0.85
S , Serine	- 0.45
V, Valine	+ 2.2
W, Tryptophane	+ 5.35
Y, Tyrosine	+ 2.92

Fig. 13

AminoAcid Before First Cleavage						
		% Cleavage	% Present	Δ		
А	24	15.5%	8.4%	184%		
R	32	20.6%	6.3%	329%		
M	4	2.6%	1.5%	171%		
W	3	1.9%	1.2%	168%		
Р	14	9.0%	6.2%	145%		
N	7	4.5%	3.3%	135%		
F	6	3.9%	3.2%	122%		
K	10	6.5%	6.0%	107%		
G	11	7.1%	6.6%	107%		
L	12	7.7%	8.5%	91%		
Н	3	1.9%	2.7%	71%		
V	5	3.2%	5.3%	61%		
D	5	3.2%	5.5%	58%		
Q	3	1.9%	4.6%	42%		
С	1	0.6%	1.8%	36%		
	1	0.6%	2.1%	31%		
·T	2	1.3%	4.7%	27%		
S	3	1.9%	7.8%	25%		
	4.	2.6%	11.5%	22%		
Y	0	0.0%	2.6%	0%		
PrecursorStart	. 5	3.2%				

Fig. 14a

AminoAcid				
		% Cleavage	% Present	Δ
S	26	16.8%	7.8%	214%
D	18	11.6%	5.5%	210%
V	13	8.4%	5.3%	158%
Н	6	. 3.9%	2.7%	143%
G	14	9.0%	6.6%	136%
M	3	1.9%	1.5%	128%
	4	2.6%	2.1%	124%
A	16	10.3%	8.4%	122%
K	9	5.8%	6.0%	97%
P	9	5.8%	6.2%	93%
Q	6	3.9%	4.6%	84%
L	11	7.1%	8.5%	83%
Т	6	3.9%	4.7%	82%
N	3	1.9%	3.3%	58%
Υ	2	1.3%	2.6%	50%
C	1	0.6%	1.8%	36%
E	5	3.2%	11.5%	28%
R	2	1.3%	6.3%	21%
F	1	0.6%	3.2%	20%
W	0	0.0%	1.2%	0%

Fig. 14b

AminoAcid Before Last Cleavage					
		% Cleavage	% Present	Δ	
R	26	16.8%	6.3%	267%	
E	29	18.7%	11.5%	162%	
N	7	4.5%	3.3%	135%	
D	11	7.1%	5.5%	128%	
А	16	10.3%	8.4%	122%	
Q	8	5.2%	4.6%	111%	
R	10	6.5%	6.3%	103%	
F	5	3.2%	3.2%	102%	
L	13	8.4%	8.5%	98%	
G	10	6,5%	6.6%	97%	
K	9	5.8%	6.0%	97%	
M	2	1.3%	1.5%	85%	
Τ	6	3.9%	4.7%	82%	
S	9	5.8%	7.8%	74%	
C	2	1.3%	1.8%	72%	
V	5	3.2%	5.3%	61%	
Υ	2	1.3%	2.6%	50%	
Н	2	1.3%	2.7%	48%	
P	2	1.3%	6.2%	21%	
	0	0.0%	2.1%	0%	

Fig. 14c

AminoAcid				
		% Cleavage	% Present	Δ
Precursor end	30	19.4%		
R	26	16.8%	6.3%	267%
K	19	12.3%	6.0%	204%
W	3	1.9%	1.2%	168%
F	8	5.2%	3.2%	162%
G	12	7.7%	6.6%	117%
٧	9	5.8%	5.3%	110%
T	. 7	4.5%	4.7%	96%
1	2	1.3%	2.1%	62%
А	7	4.5%	8.4%	54%
P	5	3.2%	6.2%	52%
Υ	2	1.3%	2.6%	50%
М	1	0.6%	1.5%	43%
Q	3	1.9%	4.6%	42%
8	5	3.2%	7.8%	41%
N	2	1.3%	3.3%	39%
L	5	3.2%	8.5%	38%
D	3	1.9%	5.5%	35%
E	6	3.9%	11.5%	34%
C	0	0.0%	1.8%	0%
H	0	0.0%	2.7%	0%

Fig. 14d

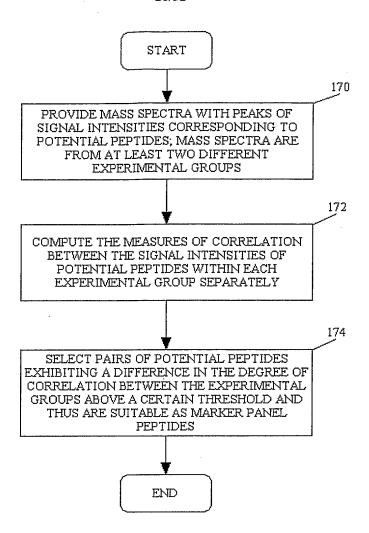


Fig. 15

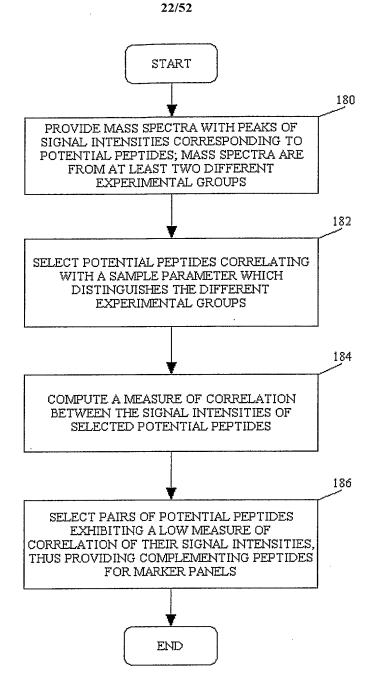


Fig. 16

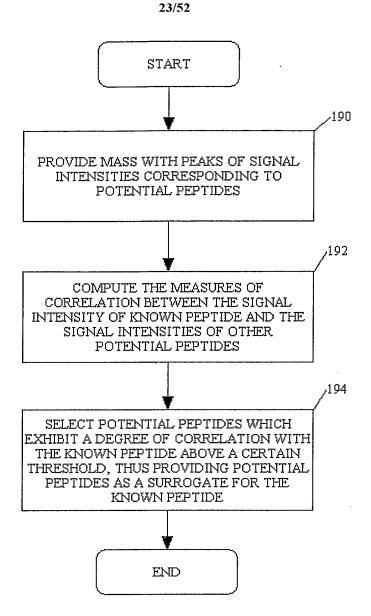


Fig. 17

Caga NT-	Fraction 54 m/z	Fraction 54	Fraction 56		Fraction 20 m/z	
Case No.	2743.0	m/z 1371.5	m/z 2927.2 "	••	11143	
	k=20	k=19	k=16		k=19	
1	21648	712	2620		1452	
2	1830	1320	1199		2554	
3	21353	2022	3159		2139	
4	24223	2454	2431		2169	
5	3725	2719	982		1038	
6	13548	2956	1689		1300	
7	16606	3260	1402		2213	
8	20902	3435	624		887	
9	10321	3444	427	CONTROL OF THE PROPERTY OF THE	2145	
10	31047	3498	2238		1516	
11	31142	3592	4405	·· · · · · · · · · · · · · · · · · · ·	1255	
12	37241	3745	2785	- · · · · · · · · · · · · · · · · · · ·	1739	
13	22656	3822	2264		2576	
14	24366	3852	1752		1139	
15	16638	3935	1147		2182	
16	37171	4092	2393		1069	
17	33188	4115	1578		1681	
18	27596	4127	3228		1463	
19	39668	4348	3604		318	
20	12983	4362	1048		3039	
21	14420	4488	899	<del></del>	2676	
22	23261	4634	1965		3071	
23	30507	4710	2715	<del> </del>	1247	
24	41494	4928	5343		1238	
25	36664	5107	3914		3156	
26	42465	5135	2729		1768	·
27	42551	5135	3010	, , , , , , , , , , , , , , , , , , , ,	2500	
28	35473	5201	2242	, ,	1978	
29	48611	5906	2381	····	1075	
30	28413	5914	1855		3189	
31	35258	5954	3368		2140	
32	44774	6056	4167		670	
33	46137	6465	7640	<del></del>	1719	
34	40892	6531	1630		1241	
35	48202	7076	11222		3826	
36	43760	7183	4771		1565	
37	50211	7316	5443		2060	

Fig. 18a

				,	T	
	Fraction 54 m/z	Fraction 54			Fraction 20	
Case No.	2743.0	m/z 1371.5	m/z 2927.2	111	m/z 1114.3	
38	49824	7410	3004		1113	,
39	50785	7752	6412		1616	
40	46200	7821	3689		3725	
41	52471	7949	5395		1837	
42	49299	8280	4623		1207	
43	45032	8483	4881		1566	
44	51224	8562	6481		2194	
45	51901	8638	10081		2047	
46	51084	8776	14193		1478	
47	50928	8852	6635		287	
48	50707	10097	8877		1458	
49	52304	10259	6244		1860	
50	48355	10661	5195		3695	
51	51363	10685	11403		1261	
52	54423	10846	11299		2067	
53	55167	11041	12868		1545	
54	55091	11539	5597		2381	
55	56825	11912	7718		2409	
56	53173	12022	8865		1969	
57	51649	12057	7855		1295	
58	51328	12095	9035		2043	
59	53464	12641	6408		856	
60	54542	12891	10363		1858	
61	56950	13172	7586		1802	
62	43273	14559	20080		596	
63	57335	14922	12288		2916	
64	55118	14997	10078		1761	
65	57147	16164	7726		2626	
66	55584	16216	17106		2623	
67	59414	16550	15122	<u> </u>	539	
68	57093	16689	19689		2078	
69	57841	18254	16079		1659	
70	54084	18734	19524		395	
71	56325	22730	10828		2326	
72	58386	24159	16681		1631	
73	54843	26671	44356		3183	
74	53935	27937	30189		1403	

Fig. 18b

## 26/52

	Fraction 54 m/z 2743.0 and				
Measure of	Fraction 54 m/z	Fraction 56 m/	Fraction 20 m/z		
Association	1371.5	2927.2	1114.3		
Spearman's rank	0.9298	0.8761	-0.0044		
order correlation					
Pearson's	0.7318	0.5855	-0.0781		
product					
moment					
correlation					
Kendall's rank	0.7704	0.6919	0.0107		
correlation tau					
MST diameter	50	40	29		

Fig. 19

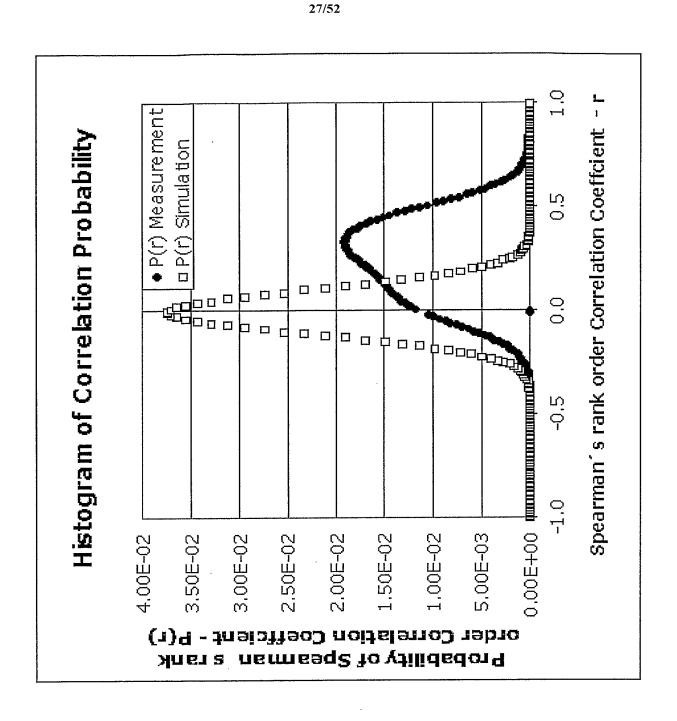
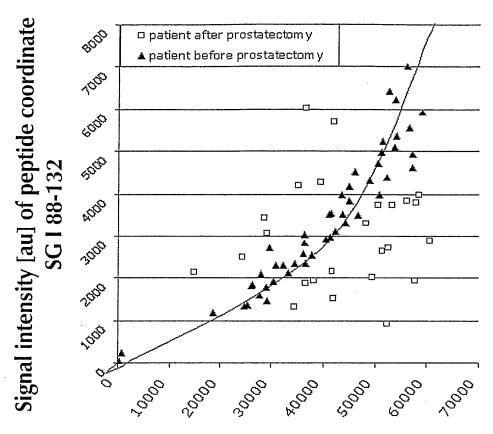


Fig. 20

Hub	Corre-	Related peptide	Relative	Amino Acid Sequence		
-	lation		Mono-			
Pept			isotopic			
ide			mass [Da]			
Chromogranin A 97 - 131			3905.764	HSGF EDELSEVLEN		
				QSSQAELKEA VEEPSSKDVM		
				E		
	r=0.67	Secretogranin I 88-132	4605.025	DPADASEAHESSSRGEAGAP		
				GEEDIQGPTKADTEKWAEGG		
				GHSRE		
	r=0.71	Secretogranin II 529-566	4152.921	G QGSSEDDLQEE		
				EQIEQAIKEH LNQGSSQETD		
				KLAPVS		
	r=0.72	Secretogranin V 181-202	2448.334	SVNPYLQGQRLDNVVAKKSV		

Fig. 21

PH



Signal intensity [au] of peptide coordinate Chromogranin A 97-131

Fig. 22

	Fraction 54 m/z	Fraction 54 m/z	Fraction 56 m/z	Fraction 20 m/z	
	<del>2743.0</del>	1371 5	2927.2	1114.3	••••
	k=0	k=1	k=2	k=19	
case 1	<del>21648</del>	3747	7051	1452	
case 2	<del>1830</del>	4355	5630	2554	
case 3	21353	5057	7590	2139	
case 4	24223	5489	6862	2169	
case 5	3725	5754	5413	1038	
case 6	13548	5991	6120	1300	
case 7	16606	6295	5833	2213	
case 8	20902	6470	5055	887	
case 9	10321	6479	4858	2145	
case 10	31047	6533	66 <i>6</i> 9	1516	
case 11	31142	6627	8836	1255	
case 12	<del>37241</del>	6780	7216	1739	
case 13	<del>22656</del>	6857	6695	2576	
case 14	<del>24366</del>	6887	6183	1139	
case 15	<del>16638</del>	6970	5578	2182	
case 16	37171	7127	6824	1069	
case 17	33188	7150	6009	1681	
case 18	<del>27596</del>	7162	7659	1463	
case 19	<del>39668</del>	7383	8035	318	
case 20	12983	7397	5479	3039	
case 21	14420	7523	5330	2676	
case 22	23261	7669	6396	3071	
case 23	<del>30507</del>	7745	7146	1247	
case 24	41-49-4	7963	9774	1238	
case 25	36664	8142	8345	3156	
case 26	4 <del>2465</del>	8170	7160	1768	
case 27	<del>42551</del>	8170	7441	2500	
case 28	35473	8236	6673	1978	
case 29	4 <del>8611</del>	8941	6812	1075	
case 30	<del>28413</del>	8949	6286	3189	
case 31	3 <del>5258</del>	8989	7799	2140	
case 32	44774	9091	8598	670	
case 33	46137	9500	12071	1719	
case 34	40892	9566	6061	1241	
case 35	4 <del>8202</del>	10111	15653	3826	
case 35	43760	10218	9202	1565	

Fig. 23a

	Fraction 54 m/z	Fraction 54 m/z	Fraction 56 m/z		raction 20 m/z	
	2743.0	1371 <i>5</i>	2927.2	1	.114.3	
case 37	<del>50211</del>	10351	9874		1113	
case 38	4987.4	10445	7435		1616	
case 39	<del>50785</del>	10787	10843		3725	
case 40	<del>46200</del>	10856	8120		1837	
case 41	<del>52471</del>	10984	9826		1207	
case 42	49299	11315	9054		1566	
case 43	45082	11518	9312		2194	
case 44	<del>51224</del>	11597	10912		2047	
case 45	<del>51901</del>	11673	14512		1478	
case 46	<del>51084</del>	11811	18624		287	
case 47	<del>50928</del>	11887	11066		1458	
case 48	<del>50707</del>	13132	13308		1860	
case 49	<del>52304</del>	13294	10675		3695	
case 50	4 <del>8355</del>	13696	9626		1261	
case 51	<del>51363</del>	13720	15834		2067	
case 52	<del>5442</del> 3	13881	15730		1545	
case 53	<del>55167</del>	14076	17299		2381	
case 54	<del>55091</del>	14574	10028		2409	
case 55	-56825	14947	12149		1969	
case 56	<del>53173</del>	15057	13296		1295	
case 57	<del>51649</del>	15092	12286		2043	
case 58	<del>51328</del>	15130	13466		856	
case 59	<del>53464</del>	15676	10839		1858	
case 60	<del>54542</del>	15926	14794		1802	
case 61	<del>56950</del>	16207	12017	'	596	
case 62	43273	17594	24511		2916	
case 63	<del>57335</del>	17957	16719		1761	
саѕе б4	<del>55118</del>	18032	14509		2626	
case 65	<del>57147</del>	19199			2623	
case 66	<del>55584</del>	19251	21537	'	539	
case 67	<del>5941-</del> 4	19585	19553		2078	
саѕе 68	<del>57003</del>	19724			1659	
case 69	57841	21289	20510		395	
case 70	<del>54084</del>	21769	23955	5	2326	
case 71	<del>56325</del>	25765	15259		1631	
case 72	58386		21112	2	3183	
case 73	54843	29706	48787		1403	
case 74	53935	30972	34620		1113	

Fig. 23b

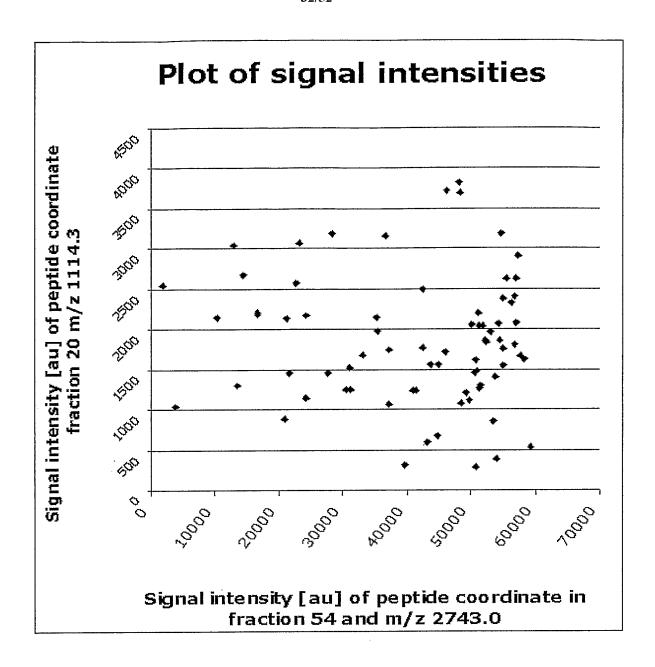


Fig. 24a

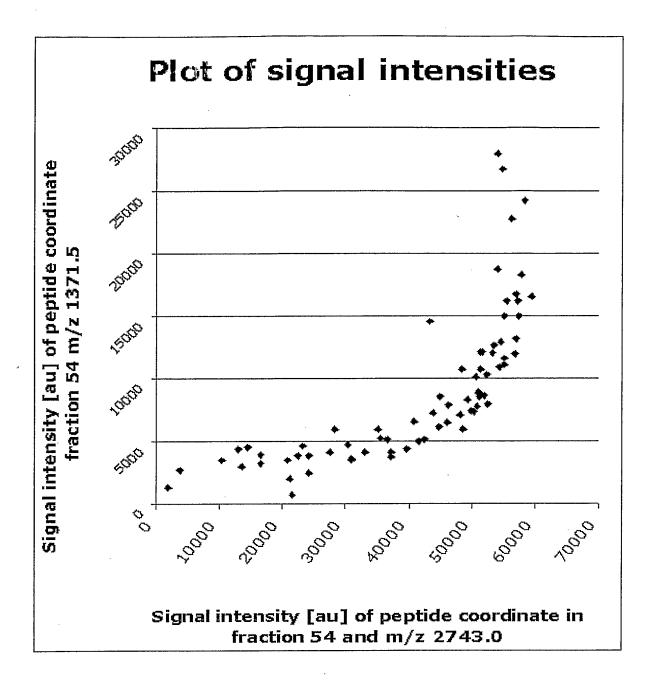


Fig. 24b

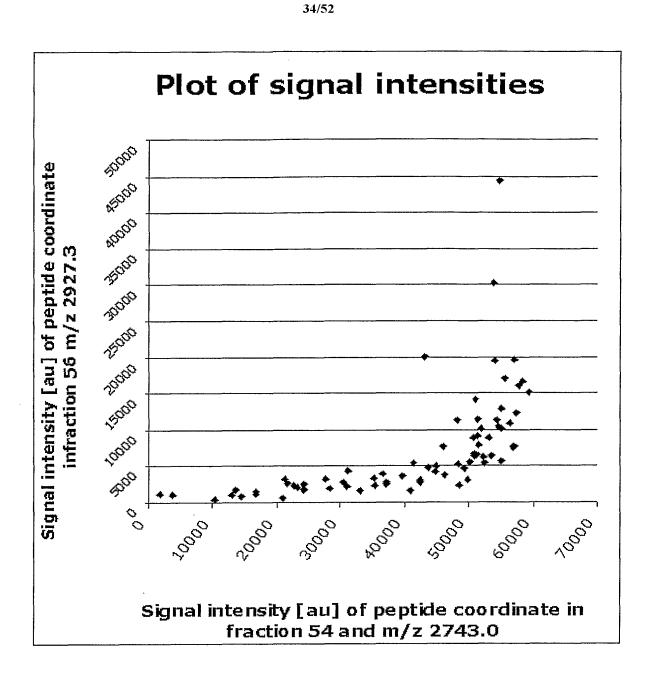


Fig. 24c

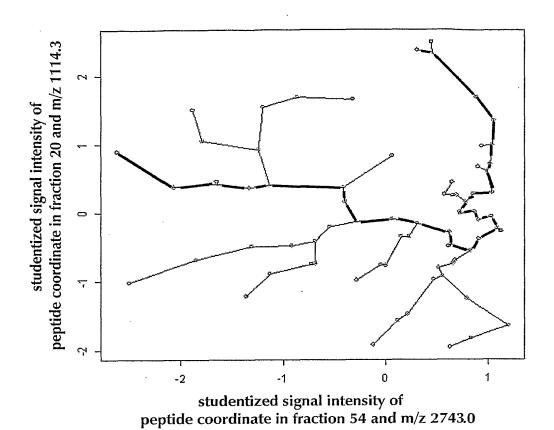


Fig. 25a

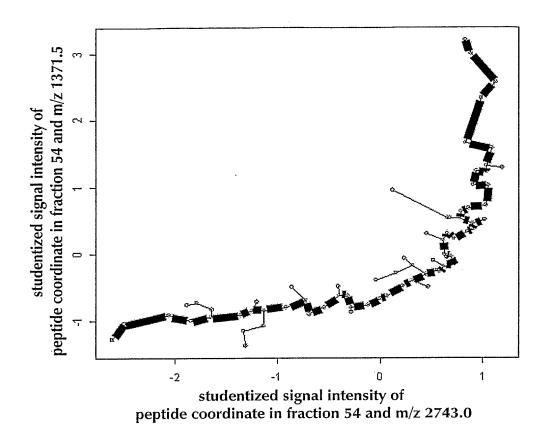
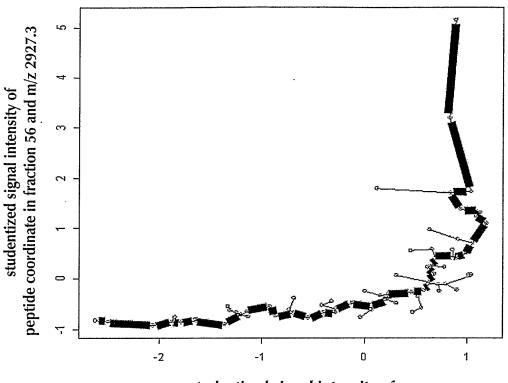


Fig. 25b



studentized signal intensity of peptide coordinate in fraction 54 and m/z 2743.0

Fig. 25c

38/52

		n		
m/z	1	2	3	4
1371.5	-1371.5	0.0	1371.5	2743.0
2927.3	183,3	3109.6	6035.9	8962.2

Fig. 26

MKWVTFISLL FLFSSAYSRG VFRRDAHKSE VAHRTYDLGE ENFKALVLIA KREAQYLQQC PFEDHVKLVN EVTEFAKTCV ADESAENCDK SLHTLFGDKL CTVATLRETY GEMADCCAKQ EPERNECFLQ HKDDNPNLPR LVRPEVDVMC TAFHDNEETF

LKKYLYEIAR RHPYFYAPEL LFFAKRYKAA FTECCQAADK

210 220 230 238

| | | | | | | |

AACLLPKLDE LRDEGKASSA KQRLKCASLQ KFGERAFK

Fig. 27

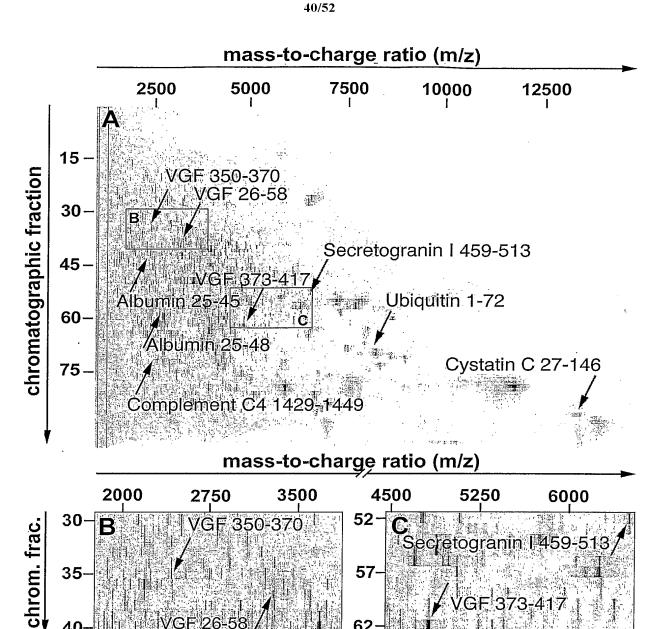


Fig. 28

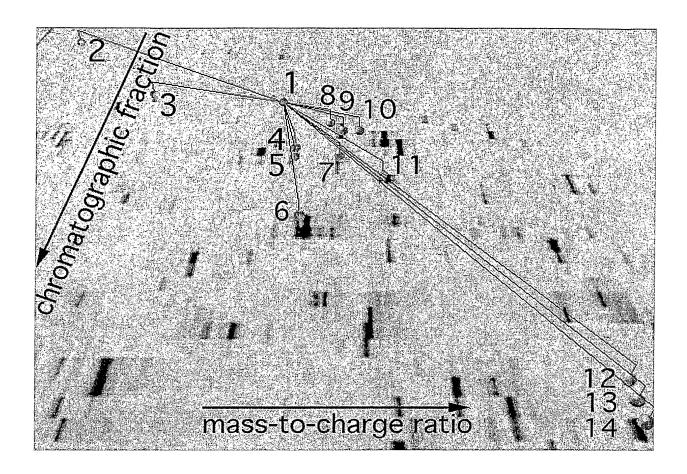
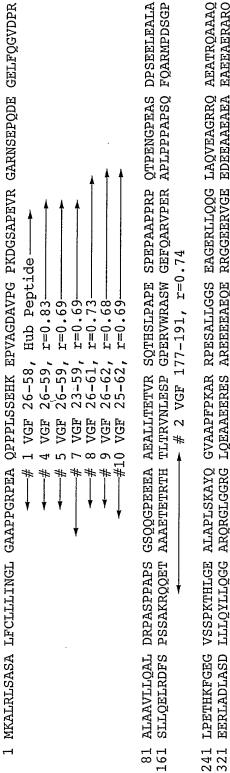


Fig. 29



EAEEAERARO -#13 VGF 373-417, r=0.68 ---#14 VGF 373-417, r=0.76 -#12 VGF 373-417, r=0.73 RRGGEERVGE EDEEAAEAEA LPETHKFGEG VSSPKTHLGE ALAPLSKAYQ GVAAPFPKAR RPESALLGGS EERLADLASD LLLQYLLQGG ARQRGLGGRG LQEAAEERES AREEEEAEQE 3 VGF 350-370, r=0.76 → 241 321

KRKKNAPPEP VPPPRAAPAP THVRSPQPPP PAPAPARDEL PDWNEVLPPW DREEDEVYPP GPYHPFPNYI RPRTLQPPSA #12 VGF 485-522, r=0.81 481

GEAGAEDKRS QEETPGHRRK EAEGTEEGGE EEDDEEMDPQ

NALLFAEEED

401

TIDSLIELST KLHLPADDVV SIIEEVEEKR

561 LRRRHYHHAL PPSRHYPGRE AQARRAQEEA EAEERRLQEQ EELENYIEHV LLRRP

Fig. 30

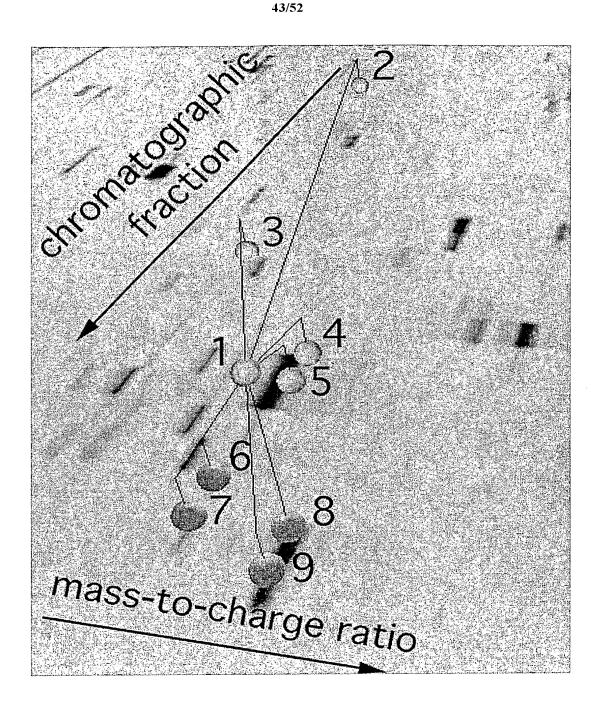


Fig. 31

	*	Number of		Davaanta sa af
r  ≥	Correct Precursor Predictions	False Precursor Predictions	All Predictions	Percentage of Correct Predictions
0.95	18	0	18	100%
0.90	40	4	44	91%
0.85	58	10	68	85%
0.80	104	26	130	80%
0.75	178	76	256	70%
0.70	314	192	506	62%
0.65	512	456	968	53%
0.60	756	990	1746	43%
0.55	964	1872	2836	34%
0.50	1186	3086	4272	28%

Fig. 32

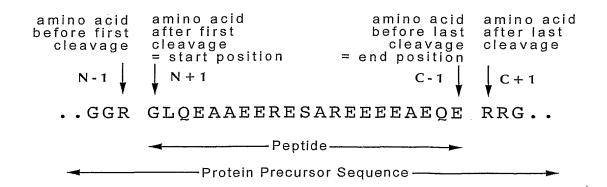


Fig. 33

	N			Percent at Positi				.cid			of A	d Change mino Acid General C	d Compa	red to
Amino Acid	n(	N-1)	n(	(N+1)	n(	C-1)	n(	C+1)	(A	n Any ition)	x(N-1)	x(N+1)	x(C-1)	x(C+1)
A	16	12%	18	13%	16	12%	5	5%	5612	8.2%	1.4	1.6	1.4	0.6
$\mathbf{C}$	1	1%	1	1%	2	1%	0	0%	1109	1.6%	0.4	0.4	0.9	0.0
$\mathbf{D}$	5	4%	22	16%	8	6%	4	4%	3994	5.8%	0.6	2.8	1.0	0.6
${f E}$	4	3%	5	4%	30	22%	3	3%	8069	11.8%	0.2	0.3	1.8	0.2
$\mathbf{F}$	5	4%	4	3%	3	2%	7	7%	2195	3.2%	1.1	0.9	0.7	2.0
${f G}$	6	4%	12	9%	7	5%	7	7%	4171	6.1%	0.7	1.4	0.8	1.1
$\mathbf{H}$	3	2%	4	3%.	2	1%	1	1%	1955	2.9%	0.8	1.0	0.5	0.3
Ι	0	0%	1	1%	3	2%	2	2%	1592	2.3%	0.0	0.3	0.9	0.8
$\mathbf{K}$	7	5%	8	6%	12	9%	22	21%	4235	6.2%	0.8	0.9	1.4	3.4
L	9	7%	11	8%	10	7%	8	8%	5982	8.7%	0.7	0.9	0.8	0.9
$\mathbf{M}$	5	4%	5	4%	0	0%	0	0%	1120	1.6%	2.2	2.2	0.0	0.0
N	4	3%	4	3%	8	6%	0	0%	2365	3.5%	0.8	0.8	1.7	0.0
P	15	11%	9	6%	1	1%	1	1%	4310	6.3%	1.7	1.0	0.1	0.1
Q	0	0%	7	5%	5	4%	3	3%	3334	4.9%	0.0	1.0	0.7	0.6
. R	42	31%	0	0%	9	6%	28	27%	4142	6.0%	5.1	0.0	1.1	4.4
S	4	3%	20	14%	10	7%	3	3%	5154	7.5%	0.4	1.9	1.0	0.4
$\mathbf{T}$	4	3%	3	2%	4	3%	3	3%	3150	4.6%	0.6	0.5	0.6	0.6
$\mathbf{V}$	5	4%	3	2%	6	4%	5	5%	3581	5.2%	0.7	0.4	0.8	0.9
W	1	1%	2	1%	1	1%	3	3%	720	1.1%	0.7	1.4	0.7	2.7
$\mathbf{Y}$	0	0%	0	.0%	2	1%	0	0%	1726	2.5%	0.0	0.0	0.6	0.0
Sum	136	100 %	139	100 %	139	100%	105	100%	68516	100%				

Fig. 34

Pair of Amino Acid	ls	# of Peptides	% of Peptides	# of Amino Acid pairs in all Precursors	% of Amino Acid pairs in all Precursors	x-fold Increase
Before Amino-	RR	18	12.9%	398	0.58%	22.2
Terminal Cleavage	KR	13	9.4%	351	0.51%	18.2
After Amino-	DA	15	10.8%	170	0.25%	43.4
Terminal Cleavage	GR	5	3.6%	215	0.31%	11.4
Before Carboxy-	QK	7	5.0%	169	0.25%	20.4
Terminal Cleavage	VN	6	4.3%	188	0.27%	15.7
Terminal Cleavage	GA	6	4.3%	293	0.43%	10.1
After Carboxy- Terminal Cleavage	KR	. 16	11.5%	351	0.51%	22.4

Fig. 35

48/52

## Hub peptide VGF 26-58

- \* predicts unknown peptide with m/z = 3688.03 as VGF 26-62
  - + calculated m/z matches found m/z (prerequisite condition)
  - + same start position as hub peptide (+ 69 bonus points)
  - + R as amino acid after end position (+ 4 bonus points)
- \* predicts unknown peptide with m/z = 2419.41 as VGF 350-370
  - + calculated m/z matches found m/z (prerequisite condition)
  - + R as amino acid before start position (+ 5 bonus points)
  - + RR as amino acids before start position (+22 bonus points)

Fig. 36

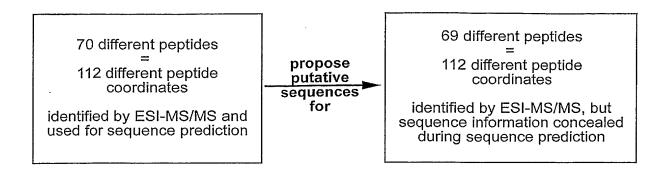


Fig. 37

			Any p	oroposa	l		Pro	posal V	Vith I	Most Bo	nus l	Points
r  ≥ 0.75	Con Stan E Pos	cursor rrect rt- or nd ition rrect	Co Sta For	cursor rrect rt- or End sition alse	Fa Sta E Pos	cursor alse rt- or and aition alse	Co Sta E Pos	cursor rrect rt- or and sition rrect	Co Sta Fos	cursor rrect rt- or End sition alse	Sta I Po	cursor 'alse art- or End sition 'alse
Model 1: No rules	5	6%	61	75%	15	19%	3	11%	19	70%	5	19%
Model 2: Only Rules Considering Single Amino Acids at Cleavage Sites	13	16%	58	72%	10	12%	10	37%	14	52%	3	11%
Model 3: Only Rules Considering Pairs of Amino Acid Pairs	18	22%	54	67%	11	14%	1.5	56%	9	33%	3	11%
Model 4: Only Rules Considering Common Start- or End Position	17	21%	51	63%	13	16%	13	48%	11	41%	3	11%
Model 5: Combination: Only Rules Considering Single Amino Acids & Pairs of Amino Acid	. 19	23%	54	67%	8	10%	18	67%	6	22%	3	11%
Model 6: Combination: all rules	28	35%	45	56%	8	10%	23	85%	1	4%	3	11%

Fig. 38

Correl	Correlation to:	28	4000	
Albumin	Albumin Alb. 25-48	Hub:	Moioisotop. Mass	Sequence
r=0.73	•	Albumin 25-48 2752.4	2752.4	DAHKSEVAHRFKDLGEENFKALVL
	-	related Peptide to Alb. 25-48:		
r=0.80	r=0.77	Albumin 27-50	2750.5	HKSEVAHRFKDLGEENFKALVLIA
r=0.76	r=0.75	Albumin 25-50	2936.6	DAHKSEVAHRFKDLGEENFKALVLIA
r=0.76	r=0.75	Albumin 25-51	3085.5	DAHKSEVAHRFKDLGEENFKALVLIAF
r=0.83	r=0.75	alpha-1- Antitrypsin 397-418	2502.3	LMIEQNTKSPLFMGKVVNPTQK

Fig. 39

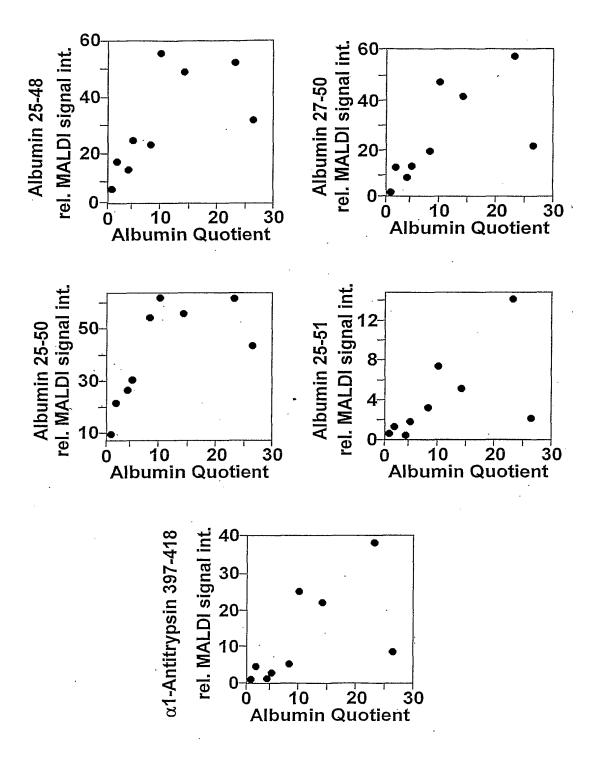


Fig. 40